

# WEST Search History

DATE: Saturday, November 15, 2003

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR*

L8 L3 and ((begin\$ or start\$ or send\$ or initiat\$) with (status or report\$ or diagnostic\$ or communication)) 0 L8

L7 L3 and ((begin\$ or start\$ or send\$ or initiat\$) with (report\$ or diagnostic\$ or communication)) 0 L7

L6 L3 and (initiat\$ same (report\$ or diagnostic\$ or communication)) 0 L6

*DB=EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR*

L5 L3 and (vehicle with location) 3 L5

L4 L3 and (vehicle with location) and initiat\$ 0 L4

L3 L2 and (wireless with communicat\$) 17 L3

L2 L1 and vehicle 32 L2

L1 wireless with diagnosti\$ 116 L1

END OF SEARCH HISTORY

**2/3,KWIC/1 (Item 1 from file: 13)**

DIALOG(R)File 13:BAMP

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1104498 Supplier Number: 01770269 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cool Technology**

(Members of the temperature control supply chain look to technology to support good, solid operations)

Article Author(s): McGovern, J Michael

Transportation & Distribution, v 39, n 12, p 25-26,28

December 1998

DOCUMENT TYPE: Journal ISSN: 0895-8548 (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1631

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

...a refrigeration technology with a microprocessor controlling the environment inside the unit. It also possesses diagnostic capabilities to test and make sure everything runs smoothly. The diagnostic concept is similar to taking your car in for a check-up before a long trip. Before a hauler loads product in manufacturer of wireless digital communication technologies, to allow greater visibility of temperature data during transport. Thermo King can install what...

**2/3,KWIC/2 (Item 1 from file: 80)**

DIALOG(R)File 80:TGG Aerospace/Def.Mkts(R)

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01050920 Supplier Number: 39474228

**MILTECH NEWS: ANOTHER SALE FOR CLAYMORE**

Military Technology, v9, n2, p94

Feb, 1985

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...area communications system. The Claymore's modular components can fit into a Land Rover-size vehicle.

PRODUCT NAMES: 3662120 (Radio Equipment NEC); 3662111 (Point-to-Point Complete Systems); 3661267 (Network Diagnostic / Test Equipment)

NAICS CODES: 33422 (Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing); 3342 (Communications Equipment Manufacturing); 33421 (Telephone Apparatus Manufacturing)

**2/3,KWIC/3 (Item 1 from file: 388)**

DIALOG(R)File 388:PEDS: Defense Program Summaries

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09009025

**Defense Research Sciences**

Binder: PROGRAM ELEMENT DESCRIPTIVE SUMMARY - FY2020

Service: ARMY

Pub. Date: APRIL 19, 1999

Source: Forecast International/DMS

Language: English

Word Count: 22163

Pgm.Element: 0601102A

Country: UNITED STATES  
Industry: AEROSPACE AND DEFENSE  
Binder Code: PEDS2020

...conducts research  
in support of advanced military engine technology with emphasis on  
advanced propulsion, sophisticated vehicle dynamics and simulation,  
and advanced track and suspension concepts. Advanced propulsion  
research will dramatically improve...

...unique, state-  
of-the-art phenomena in specific areas such as: 1) non-linear ground  
vehicle control algorithms, using off-road terrain characteristics;  
and 2) instantaneous diesel engine low friction/cold...

...analytical and experimental procedures.  
The subject efforts offer an opportunity to produce quantum Army  
ground vehicle performance enhancements through the use of optimized  
parameterization procedures.

FY 1998 Accomplishments:

- 446 - Formulated state-of-the-art non-linear vehicle dynamics insights.
- Established vehicle /human control algorithms for military systems performance enhancements.
- Validated fundamental power train component models for unique ground vehicles.

Total 446

FY 1999 Planned Program:

- 460 - Validate state-of-the-art vehicle dynamics phenomena.
- Optimize vehicle /human control models for off-road scenarios.
- Optimize fundamental power train characteristic phenomena using advanced...

...algorithms.

- Derive militarily relevant system powertrain sensitivities.

- 224 - Enhance state-of-the-art, real-time vehicle dynamics understanding.

Total 474

FY 2001 Planned Program:

- 240 - Fundamentally improve unique propulsion combustion/fuel injection modeling capability.
- 246 - Use high fidelity non-linear validation techniques to examine military vehicle response.

Total 486

COST (\$ In Thousands)

Project Number and Name

FY1998 FY1999 FY2000 FY2001 FY2002...propellants in propulsion systems.

- Develop advanced computational models, smart munitions aerodynamic prediction capabilities, and flight vehicle control element design tools to reduce design cycle time and cost of advanced munitions.
- Incorporate...

...provide 3-D modeling capability for the design  
of FGMS that will enable lightweight AAN vehicle concepts.

Total 4131

COST (\$ In Thousands)

Project Number and Name

FY1998 FY1999 FY2000 FY2001 FY2002...of importance for Army systems. These include applications for Army optical control of microwaves, tactical wireless communications, and optical signal processing. From a logistical point of view it is important that the...

...research will address the areas of information warfare survivability and the related signal processing for wireless battlefield communications along with intelligent systems for C4I. The information warfare and signal processing research will develop...

...technology.

- The work on two-phase fluid mixing of sloshing fluids and their effect on vehicle stability was expanded to include collaboration with researchers at TARDEC.

- Developed an efficient fully parallelized...in bandwidth and power efficient modulation and coding to increase bit-rate throughput for tactical wireless communications.

- Advance research in stochastic geometry to solve military problems related to the study of aerodynamics...tools for improved helicopter structures and dynamic response. This structures-focused technology includes reductions in vehicle vibratory loads, improved vehicle stability, advanced fatigue methodologies for metallic structures, improved composites technology throughout the vehicle, and long-term development of an integrated stress-strength-inspection technology. These technologies will extend...to HEV.

- 223 Identified and characterized multiple antigens of *Orientia tsutsugamushi* for potential use in diagnostic tests for drug-resistant scrub typhus.

Identified multiple primers for cloning genes of *O. tsutsugamushi*, potentially...

...use in strategies for prevention of malaria transmission. Identified PCR primers for potential use in diagnostic tests of rickettsial diseases, especially scrub typhus. Devised species differentiating DNA markers in mosquito vectors that...to support a hand-held system for far-forward diagnosis of infectious diseases. Devise rapid diagnostic tests for far-forward diagnosis of enteric pathogens directly from stool specimens.

- 808 Identify and characterize...non-linear, hysteretic response of deformable soils to transient loadings resulting from high-speed curvilinear vehicle maneuver. These technologies provide the basis for applied research to provide: analytical capabilities for mobility...

...predicting the durability and dynamic behavior of pavement materials.

- Exploited aggregate soil theory to model vehicle plowing performance; conducted experiments in Army centrifuge to collect patterns of soil response to wheel...

**2/3, KWIC/4 (Item 2 from file: 388)**

DIALOG(R) File 388: PEDS: Defense Program Summaries  
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09008220

## Defense Research Sciences

Binder: PROGRAM ELEMENT DESCRIPTIVE SUMMARY - FY1999  
Service: ARMY  
Pub. Date: MAY 26, 1998  
Source: Forecast International/DMS  
Language: English  
Word Count: 16906  
Pgm.Element: 0601102A

Country: UNITED STATES  
Industry: AEROSPACE AND DEFENSE  
Binder Code: PEDS1999

...conducts

research in support of advanced military engine technology with emphasis on advanced propulsion, sophisticated vehicle dynamics and simulation, and advanced track and suspension concepts. Advanced propulsion research will dramatically improve...

...unique, state-of-the-art phenomena in specific areas such as: 1) non-linear ground vehicle control algorithms, using off-road terrain characteristics; and 2) instantaneous diesel engine low friction/cold...

...analytical and experimental procedures. The subject efforts offer an opportunity to produce quantum Army ground vehicle performance enhancements through the use of optimized parameterization procedures.

### FY 1997 Accomplishments:

- 428 -Validated symbolic numerical algorithms within real-time vehicle dynamic scenarios.
  - Enhanced numerical computational efficiencies of simulative models describing vehicle /human interfaces.
  - Demonstrated control algorithms for autonomous neural networks in support of vehicle accident avoidance.
  - Optimized and validated fundamental simulative models for unique ground vehicle powertrain component combinations.
- Total 428

### FY 1998 Planned Program:

- 449 - Formulate state-of-the-art non-linear vehicle dynamics insights.
- Establish vehicle /human control algorithms for military systems performance enhancements.
- Validate fundamental powertrain component models for unique...

...Technology

Transfer Programs  
Total 457

### FY 1999 Planned Program:

- 539 - Validate state-of-the-art vehicle dynamics phenomena.
- Optimize vehicle /human control models for off-road scenarios.
- Optimize fundamental powertrain characteristic phenomena using advanced simulation...infrared radiation.
- Investigate time-frequency nonstationary signal processing.
- Develop ultra-wideband image formation techniques for vehicle -mounted, forward-imaging radars.
- Integrate and demonstrate digital optical processing for correction of aberration and...of importance for Army

systems. These include applications for Army optical control of microwaves, tactical wireless communications, and optical signal processing. From a logistical point of view it is important that the... round parachutes, and (3) two-phase fluid mixing of sloshing fluids and their effect on vehicle stability. Improved simulation capability (both in scale of calculations performed, and time to completion). New...to explain large, fluctuating sound energy in shadow zones to enhance acoustic detection of unseen vehicle movement.

- Developed a computationally economic, fast Floquest theory for efficiently determining helicopter stability in forward...

...tools for improved helicopter structures and dynamic response. This structures-focused technology includes reductions in vehicle vibratory loads, improved vehicle stability, advanced fatigue methodologies for metallic structures, improved composites technology throughout the vehicle, and long-term development of an integrated stress-strength-inspection technology. These technologies will extend...278 Identified several dengue, Shigella and ETEC antigens that are candidate reagents for development of diagnostic tests.

- 825 Documented the emergence of dengue-2 virus in the Amazon region of Peru, suggesting...

...Fever, Sandfly Fever and hantavirus related illness.

- 177 Identify and characterize potential components of future diagnostic tests for hepatitis E.
- 227 Identify genes from antibiotic-resistant scrub typhus to develop and define...

...mechanisms of antibiotic resistance.

- 133 Identify and characterize Leishmania antigens and PCR primer sequences for diagnostic test development.
- 127 Analyze specificity of bactericidal antibodies induced in animals and humans by a NOMV...gambiae in Kenya. Identify genes or antigens that could be used in development of a diagnostic test for detection of pathogens in vectors. Develop a PCR assay to detect the organism carried...

...development of a hand-held system for far-forward diagnosis of infectious diseases. Develop rapid diagnostic tests for far-forward diagnosis of enteric pathogens directly from stool specimens.

- 838 Identify and characterize...non-linear, hysteretic response of deformable soils to transient loadings resulting from high-speed curvilinear vehicle maneuver; defining the constitutive behavior and penetration mechanics (including plastic deformation and microfracture mechanics) associated...

...pavement materials.

- Conduct soil tests in centrifuge to collect patterns of soil response to wheeled vehicle loadings..
- 46 - Small Business Innovative Research/Small Business Technology Transfer Programs

Total 1822

FY 1999...techniques for distributive interactive simulation and for combat planning and operations; to support unmanned/autonomous vehicle navigation using sensor enhanced dynamic data bases; and to explore the potential of space technology...

2/3,KWIC/5 (Item 3 from file: 388)  
DIALOG(R)File 388:PEDS: Defense Program Summaries  
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Generate Collection

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L5: Entry 1 of 3

File: DWPI

Jun 17, 2003

DERWENT-ACC-NO: 2003-707227  
DERWENT-WEEK: 200367  
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TITLE: Service providing method in wireless communication system, involves transmitting created template to service framework which responds to service requesting entity by comparing received template and existing service objects

INVENTOR: BHASKARAN, P; CLAYTON, M ; LIU, K M ; SMITH, M ; WEISSHAAR, B

PATENT-ASSIGNEE: MOTOROLA INC (MOTI)

PRIORITY-DATA: 2000US-0662307 (September 15, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6580916 B1	June 17, 2003		029	H04M011/00

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6580916B1	September 15, 2000	2000US-0662307	

INT-CL (IPC): H04 B 15/00; H04 M 11/00; H04 Q 7/20

ABSTRACTED-PUB-NO: US 6580916B  
BASIC-ABSTRACT:

NOVELTY - A service requesting entity (268) creates a template describing the attributes of requested remote service, and transmits the created template to a service framework through an external interface (270). The service framework returns a null or requested service objects to the service requesting entity after comparing the received template and existing service objects.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) communication system; and
- (2) communication platform.

USE - In wireless communication system for accessing information such as advertisement, and for providing services such as concierge services providing roadside assistance, emergency calling, remote-door unlocking, accident reporting, travel conditions, vehicle security, stolen vehicle recovery, remote vehicle diagnostics, advertising services identifying name and locations of businesses such as gas stations, restaurants, hotels, stores and offices, tourist services such as points of interests, directions and hours of access to user nodes such as cellular or personal communication service (PCS) telephone, pager, hand-held computing device such as personal digital assistant (PDA) or web appliance or any other type of communication and/or computing device. Also for telecommunication, broadband communication, entertainment, television, radio, recorded music, movies, computer-based games, Internet and other types of public, private, personal, commercial, government and military communication.

ADVANTAGE - Provides an innovative way to implement dynamic networking for managing

distributed and transient services. Offers a high degree of security. Eliminates the dynamic downloading of the service code and its execution in the client. The asymmetric look up/advertising/discovery of services increases client privacy. Communication is minimized between wireless client and server for administrative functions by eliminating downloading of service code, eliminating object serialization and remote method invocation (RMI), performing just-in-time look ups and batching look up requests. Conserves the memory of client platform and bandwidth resources by not connecting with services that do not satisfy service requesting entity's request.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of information appliance system.

service requesting entity 268

external interface 270

ABSTRACTED-PUB-NO: US 6580916B  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.7/12

DERWENT-CLASS: W01  
EPI-CODES: W01-B05A1A; W01-C05B5C;





Generate Collection

Print

L5: Entry 2 of 3

File: DWPI

Mar 21, 2002

DERWENT-ACC-NO: 2002-404883

DERWENT-WEEK: 200251

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TITLE: Remote service providing method for vehicle based information appliance such as car radio, involves using service framework to represent requested remote service as local service on client platform only by local proxy

INVENTOR: BHASKARAN, P; CLAYTON, M ; LIU, K M ; SMITH, M ; WEISSHAAR, B

PATENT-ASSIGNEE: MOTOROLA INC (MOTI)

PRIORITY-DATA: 2000US-0663278 (September 15, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200223924 A2	March 21, 2002	E	059	H04Q007/00
AU 200192673 A	March 26, 2002		000	H04Q007/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 200223924A2	September 14, 2001	2001WO-US28815	
AU 200192673A	September 14, 2001	2001AU-0092673	
AU 200192673A		WO 200223924	Based on

INT-CL (IPC): H04 Q 7/00

ABSTRACTED-PUB-NO: WO 200223924A

## BASIC-ABSTRACT:

NOVELTY - A client platform (200) includes a service requesting entity or a service framework (235) for requesting a remote service from a remote communication node. The service framework represents the requested remote service on the client platform as a local service only by a local proxy containing the remote service front end.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Recorded medium storing remote service providing program;
- (b) Communication platform;
- (c) Communication system

USE - For providing remote services such as roadside assistance, emergency calling, remote door unlocking, accident reporting, travel conditions, vehicle security, stolen vehicle recovery, remote vehicle diagnostics and advertising services such as name and locations of gas stations, restaurants, hotels, stores, and offices and

tourist services such as point of interest, directions, hours of access and other services such as entertainment, weather, navigation, stock, traffic, news, music, movies, computer based games from internet, public, private and Government computer based networks to wireless communication such as cellular telephone, pager, PDA, personal communication service (PCS) in vehicles such as car, truck, bus, train, aircraft, boat and in house, office, school and commercial establishment, and for vehicle based information appliance such as car radio and in distributed wireless information appliance system, etc.

ADVANTAGE - The complexities for applications to interact with remote servers are eliminated, by connecting the remote services through the use of local proxy which represents a remote service as a local service. Enables both short range and long range bidirectional and unidirectional communication links. As the dynamic downloading of service code is avoided, high degree of security is assured. Communication is minimized between the wireless client and server, by eliminating downloading of the service code.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the client platform.

Client platform 200

Service framework 235

ABSTRACTED-PUB-NO: WO 200223924A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.5/12

DERWENT-CLASS: T01 W01  
EPI-CODES: T01-M06A1A; W01-B05; W01-C01D3C;

## End of Result Set



Generate Collection

Print

L5: Entry 3 of 3

File: DWPI

May 20, 2003

DERWENT-ACC-NO: 1998-461981  
 DERWENT-WEEK: 200336  
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TITLE: Automatic failure condition inspection apparatus employing wireless communication for vehicle - collects diagnostic data from several senses and transmits them to diagnostic unit through wireless communication unit which diagnosis abnormality in vehicle based on received diagnostic data

INVENTOR: TANAKA, R

PATENT-ASSIGNEE: HARNESS SOGO GIJUTSU KENKYUSHO KK (HARNN), SUMITOMO DENSO KK (SUME), SUMITOMO ELECTRIC IND CO (SUME), TANAKA R (TANAI), AUTONETWORKS TECHNOLOGIES LTD (AUTON), SUMITOMO ELECTRIC IND LTD (SUME), SUMITOMO WIRING SYSTEMS LTD (SUME)

PRIORITY-DATA: 1997JP-0001390 (January 8, 1997)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6567730 B2	May 20, 2003		000	H04Q009/00
JP 10194095 A	July 28, 1998		011	B60S005/00
US 20020082755 A1	June 27, 2002		000	G01M017/00

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6567730B2	December 30, 1997	1997US-0000545	CIP of
US 6567730B2	February 9, 2000	2000US-0501107	CIP of
US 6567730B2	August 13, 2001	2001US-0928888	
JP 10194095A	January 8, 1997	1997JP-0001390	
US20020082755A1	December 30, 1997	1997US-0000545	CIP of
US20020082755A1	February 9, 2000	2000US-0501107	CIP of
US20020082755A1	August 13, 2001	2001US-0928888	

INT-CL (IPC): B60 R 16/02; B60 S 5/00; G01 M 17/00; G01 M 17/007; G05 B 15/02; G06 F 19/00; H04 L 12/40; H04 Q 9/00

ABSTRACTED-PUB-NO: JP 10194095A  
 BASIC-ABSTRACT:

The apparatus has collection unit (12) which collects diagnostic data related to a vehicle from several senses (11a- 11e) installed in the vehicle. The collected data is transmitted to external vehicle diagnosis unit (A1) by a communication unit (14) through a public network (A3).

A control unit (13) controls the operation of data collection unit and the wireless communication unit. A diagnosis unit (A2) installed at a central location, diagnoses the abnormalities in the vehicle on receiving the diagnostic data.

ADVANTAGE - Enables diagnosing fault in vehicle from remote place. Reduces required labour for inspection. Avoids necessity of driving vehicle to service station during emergencies. Reduces queueing time, travelling time. Economises expenditure such as

technical fees, wage

ABSTRACTED-PUB-NO: US20020082755A  
EQUIVALENT-ABSTRACTS:

The apparatus has collection unit (12) which collects diagnostic data related to a vehicle from several senses (11a- 11e) installed in the vehicle. The collected data is transmitted to external vehicle diagnosis unit (A1) by a communication unit (14) through a public network (A3).

A control unit (13) controls the operation of data collection unit and the wireless communication unit. A diagnosis unit (A2) installed at a central location, diagnoses the abnormalities in the vehicle on receiving the diagnostic data.

ADVANTAGE - Enables diagnosing fault in vehicle from remote place. Reduces required labour for inspection. Avoids necessity of driving vehicle to service station during emergencies. Reduces queueing time, travelling time. Economises expenditure such as technical fees, wage.

CHOSEN-DRAWING: Dwg.1/9

DERWENT-CLASS: Q17 S02 W01 W05  
EPI-CODES: S02-J02; S02-K08A; W01-A06B1; W05-D;